Attorney's Dock (03063-0581) CDC No. I-028-97/

In re Application of: Victor C.W. Tsang, Patricia P. Wilkins, and James C. Allan

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: COMPOSITIONS AND METHODS FOR DETECTING ADULT TAENIA SOLIUM, the specification of which was filed on December 6, 1999, as Application No. 09/454,753.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I do not know and do not believe that the same was ever known or used by others in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to the date of this application. I further state that the invention was not in public use or on sale in the United States of America more than one year prior to the date of this application. I understand that I have a duty of candor and good faith toward the Patent and Trademark Office, and I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of the foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application for patent or inventor's certificate disclosing subject matter in common with the above-identified specification and having a filing date before that of the application on which priority is claimed:

| Application No. | Country | Filing Date | Priority Clai | med Under 35 | USC §119 |
|---|--------------------|---|---|-------------------------------|--|
| | | | Yes | No | · · · · · · · · · · · · · · · · · · · |
| hereby claim the benefit un below: | nder Title 35, Uni | ed States Code, § 11 | 9(e) of any United States | s provisional | application(s) listed |
| 50/111,334 (Application No.) | December 7, | .999 ng Date) | (Application No.) | | (Filing Date) |
| I hereby claim the benefit und the subject matter disclosed | and claimed in the | present application is tle 35. United States | not disclosed in the prio Code §112, I acknowled | r United Stati ge the duty | es application in the to disclose material |
| manner provided by the first information as defined in Titl application and the national of | le 37, Code of Fed | eral Regulations, §1.50 | which became available t | etween the fi | ling date of the prior |

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

POWER OF ATTORNEY: The following attorneys are hereby appointed to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Anthony B. Askew - 24,154; Roger T. Frost - 22,176; Jeffrey E. Young - 28,490; Robert E. Richards - 29,105; John R. Harris - 30,388; Stephen M. Schaetzel -31,418; Larry A. Roberts - 31,871; Gregory T. Gronholm - 32,415; Dale Lischer - 28,438; Peter G. Pappas - 33,205; James Dean Johnson - 31,771; Daniel J. Warren - 34,272; Leona G. Young - 37,266; Jamie L. Greene-32,467; Holmes J. Hawkins III - 38,913; Mary Anthony Merchant - 39,771; William L. Warren - 36,714; Brenda Ozaki Holmes - 40,339; James D. Withers - 40,376; Kimberly J. Prior - 41,483; Theodore M. Green - 41,801; Christopher J. Leonard - 41,940; Christos S. Kyriakou - 42,776; John K. McDonald - 42,860; Michael S. Pavento - 42,985; Suzanne Seavello Shope - 37,933; M. Scott Boone - 42,341; Sima Singadia Kulkarni - 43,732; A. Shane Nichols - 43,836; Christopher J. Chan - 44,070; Collen A. Beard - 38,824; John M. Briski - 44,562; Lisa C. Elsevier - 44,669; S. Craig Hemenway - 44,759; Paul E. Knowlton - 44,842; Charles E. Peeler - 45,004; Cheryl L. Huseman - P45,392; Adam Avrunin - P45,457; Shelby B. Grier - P45,785; Vaibhav P. Kadaba - P45,865; Russ Paschall Metler - Reg. No. P45,365.

Send correspondence to: JONES & ASKEW, LLP

Direct telephone calls at (404) 949-2400

2400 Monarch Tower, 3424 Peachtree Road, N.E. Atlanta, GA 30326

Jamie L. Greene

| Full name of sole inventor: | Victor C.W. Tsang | Citizenship: U.S.A. | |
|-----------------------------|-----------------------|--------------------------------|--|
| Residence and Post Office | Address: 2505 Oak Cro | ssing Drive, Decatur, GA 30033 | |
| Inventor's signature | CHI ISAM | A Date: 2/1/2000 | |

Attorney's Docke 03063-0581 CDC No. I-028-97

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| Application No. | Country | Filing Date | Priority Claimed | Under 35 USC §119 |
|--|---|--|---|--|
| | | | Yes | No |
| I hereby claim the benefit ur below: | der Title 35, United S | States Code, § 11 | 9(e) of any United States pr | ovisional application(s) liste |
| CO. 1.1. 22.4 | December 7, 1999 | | | |
| 50/111.334 | | | (A 11 (' NT -) | (Filing Date) |
| the subject matter disclosed : | (Filing D der Title 35, United Sta | ites Code, §120 of | (Application No.) any United States application(not disclosed in the prior United States application) | (s) listed below and, insofar a nited States application in the |
| (Application No.) I hereby claim the benefit und the subject matter disclosed a | (Filing D ler Title 35, United Stand claimed in the pre t paragraph of Title 3 e 37, Code of Federal 1 | ates Code, §120 of sent application is 35, United States Regulations, §1.56 | any United States application(not disclosed in the prior Un Code §112, I acknowledge t which became available betw | (s) listed below and, insofar a nited States application in the |

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2400 Monarch Tower, 3424 Peachtree Road, N.E.

Atlanta, GA 30326

Jamie L. Greene

| Full name of sole inventor: Patricia P. Wilkins | Citizenship: U.S.A. | |
|--|---------------------|---|
| Residence and Post Office Address: 3941 Briarglen Court, Atlanta | a, GA 30340 | |
| Inventor's signature Purpullin | Date: 2/1/2000 | · |

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| Application No. | Country Filing Dat | e Priority Claimed | Under 35 USC §119 |
|--|--|--|---|
| | | Yes | No |
| hereby claim the benefit un below: | nder Title 35, United States Code, | § 119(e) of any United States pr | ovisional application(s) lis |
| | December 7, 1999 | _ | (B) D) |
| (Application No.) | (Filing Date) | (Application No.) | (Filing Date) |
| (Application No.) I hereby claim the benefit un the subject matter disclosed manner provided by the first information as defined in Tit | (Filing Date) der Title 35, United States Code, § and claimed in the present applica to paragraph of Title 35, United \$ | 120 of any United States application (tion is not disclosed in the prior United States Code §112, I acknowledge to §1.56 which became available betw | (s) listed below and, insofar nited States application in the duty to disclose mate |

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Jamie L. Greene

| Full name of sole inventor: James C. Allan | Citizenship: United Kingdom |
|---|-----------------------------|
| Residence and Post Office Address: Sandwich, Kent | CT13 9NJ, United Kingdom |
| Inventor's signature 2. Allan | Date: 4 Feb 2000 |



In re application of

Application No. 09/454,753

Filed: December 6, 1999

For: COMPOSITIONS AND METHODS FOR

DETECTING ADULT TAENIA SOLUIM .

Date: November 10, 2000

SUBSTITUTE POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS

Dear Sir:

The assignee of record, the Government of the United States of America, as Represented by the Secretary, Department of Health and Human Services (Reel 010682, Frame 0210-0212, recorded on March 6, 2000) hereby revokes all former Powers of Attorney and appoints as its representatives to conduct all business in the Patent and Trademark Office connected therewith the attorneys and agents identified as Customer No. 24197



all of the law firm of Klarquist Sparkman Campbell Leigh & Whinston, LLP, 121 SW Salmon Street, Suite 1600, Portland, Oregon 97204.

Please address all correspondence to William D. Noonan, M.D. at:

KLARQUIST SPARKMAN CAMPBELL LEIGH & WHINSTON, LLP
One World Trade Center, Suite 1600
121 SW Salmon Street
Portland, OR 97204-2988
Telephone: 503-226-7391

Fax: 503-228-9446

Page 1 of 2

N 1 4 2003



The recorded Assignment referred to in this Substitute Power of Attorney has been reviewed by the undersigned. The undersigned certifies that to the best of the undersigned's knowledge and belief, title is in the assignee.

The Centers for Disease Control and Prevention Technology Transfer Office has been duly delegated responsibility for such patent matters under the authority of the memorandum dated January 31, 1997, from Donna E. Shalala, the Secretary of the Department of Health and Human Services, delegating the authority to the Heads of the Public Health Service Operating Divisions, as well as a memorandum dated October 12, 2000, from Jeffrey P. Koplan, M.D., M.P.H., the Director of the Centers for Disease Control and Prevention (who is a Head of a Public Health Service Operating Division), delegating authority to sign this Power of Attorney to the Associate Director for Science and the Director of the Technology Transfer Office of the Centers for Disease Control and Prevention. The undersigned is authorized to exercise such authority in this matter.

Executed on 20 Nov 2000, at Atlanta, Georgia.

UNITED STATES DEPARTMENT OF HEALTH AND HUMAN SERVICES

Andrew Watkins

Grale_Wort

Director, Technology Transfer Office Centers for Disease Control and

Prevention (CDC)

1600 Clifton Road NE (E67)

Atlanta, GA 30333

(404) 639-6270